

Converting Colors

XYZ(39.6130, 63.5894, 20.6424)

Have a look what the booklet for
XYZ(39.6130, 63.5894, 20.6424)
contains.

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Color

**XYZ(39.4269, 63.3532,
20.5063)**

Conversions

Conversions Part 1

Format	Color
Hex	7CE95D
RGB	124, 233, 93
RGB Percent	49%, 91%, 36%
CMY	0.5137, 0.0863, 0.6353
CMYK	0.47, 0.00, 0.60, 0.09
HSL	107°, 76%, 64%
HSV	107°, 60%, 91%
XYZ	39.4269, 63.3532, 20.5063
YIQ	184.4490, -20.0240, -66.6480

Conversions

Conversions Part 2

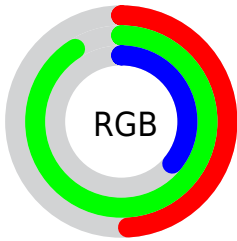
Format	Color
RYB	93, 233, 202
Decimal	8186205
CIELab	83.63, -56.53, 57.13
CIElCh	84, 80.375, 134.699
Yxy	63.3532, 0.3198, 0.5139
Android (android.graphics.Color)	4286376285 (0xFF7CE95D)
YUV	184.4490, -45.0844, -53.0138
Hunter-Lab	79.5947, -50.8716, 40.4412

Details

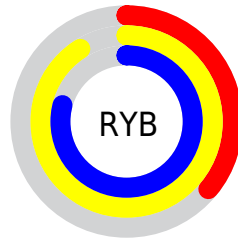
The XYZ color **39.4269, 63.3532, 20.5063** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **42.9826, 26.2706, 79.8995**, and the grayscale version is **46.0597, 48.4584, 52.7712**.

A 20% lighter version of the original color is **60.6337, 83.7254, 40.9819**, and **17.8459, 32.2084, 7.0265** is the 20% darker color. If you saturate the color by 10%, you get **36.1634, 61.7744, 15.7631**, and if you desaturate by 10%, it is **43.4901, 65.3118, 26.9303**.

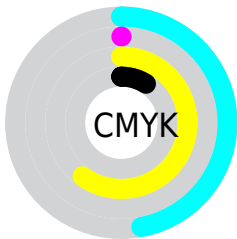
Distribution



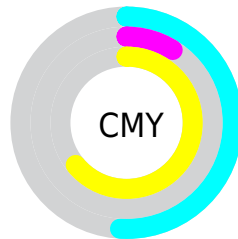
- Red (49%)
- Green (91%)
- Blue (36%)



- Red (36%)
- Yellow (91%)
- Blue (79%)



- Cyan (47%)
- Magenta (0%)
- Yellow (60%)
- Black (9%)





- Cyan (51%)
- Magenta (9%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4269, 63.3532, 20.5063 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 39.4269, 63.3532, 20.5063 by changing the saturation by 10% instead.


 39.4269, 63.3532,
20.5063


 39.4269, 63.3532,
20.5063


334.8781,
436.8502, 267.3373

 27.2742, 46.1270,
12.5759


 73.5799, 109.6789,
45.1345


 17.9169, 32.3461,
7.0099

 96.3110, 139.5472,
62.6694

 10.9897, 21.6260,
3.3897


 123.2988,
174.3983, 84.2428

 6.1271, 13.5823,
1.2969

 154.9089,
214.6167, 110.2733

 2.9639, 7.8307,
0.0593

191.5065,
260.5867, 141.1795

 1.1347, 3.9868,
0.0000

233.4570,

 0.0539, 1.6662,

312.6926, 177.3799

0.0000

281.1257,
371.3190, 219.2929

■ 0.0000, 0.4016,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.4269, 63.3532,
20.5063

■ 39.4269, 63.3532,
20.5063

■ 36.1634, 61.7744,
15.7631

■ 43.4901, 65.3118,
26.9303

■ 33.6391, 60.5418,
12.5394


■ 48.3988, 67.6651,
35.1683


■ 31.7912, 59.6290,
10.6500


■ 54.2005, 70.4367,
45.3449


■ 30.5352, 58.9995,
9.7787

■ 60.9378, 73.6463,
57.5726

 68.6506, 77.3120,
71.9553

 77.3761, 81.4510,
88.5897

 86.9711, 86.0082,
106.6251

 88.4302, 86.7604,
106.6934

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.0371, 63.3532, 11.3146



39.4269, 63.3532, 20.5063



33.1363, 63.3532, 46.4533

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.4269, 63.3532, 20.5063



51.7264, 63.3532, 210.8755



99.1977, 63.3532, 47.2125

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



39.4269, 63.3532, 20.5063



42.9826, 26.2706, 79.8995

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.0694, 63.3532, 97.8189



39.4269, 63.3532, 20.5063



69.2084, 63.3532, 211.4307

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.4269, 63.3532, 20.5063



39.2378, 63.3532, 161.9661



87.2655, 63.3532, 163.2405



87.5876, 63.3532, 20.8285

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.4269, 63.3532, 20.5063



32.4131, 63.3532, 77.2213



87.2655, 63.3532, 163.2405



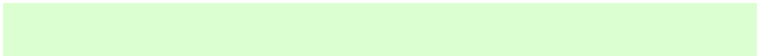
100.5891, 63.3532, 61.3486

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



39.4284, 63.3559, 20.5077



76.5734, 91.2292, 73.9597



56.3143, 59.5800, 18.8889



15.8314, 19.2611, 14.8009



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.4284, 63.3559, 20.5077



43.5986, 75.4281, 18.2900



37.7068, 62.2285, 31.2620



15.1802, 17.0229, 16.0044



17.4124, 33.5209, 5.5525



1.4479, 2.6738, 0.4398

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.9826, 26.2706, 79.8995



48.1627, 26.1265, 97.1122



47.4469, 29.1244, 55.1493



15.3696, 15.1358, 19.0337



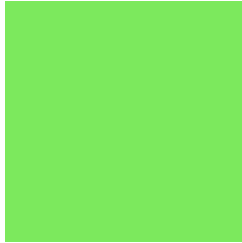
19.3242, 8.9979, 44.4612



1.5977, 0.7479, 3.4950

Previews

White Background



This preview shows how the XYZ color 39.4269, 63.3532, 20.5063 looks on a white background.

Color Contrast Check

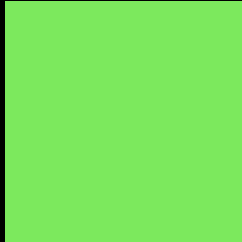
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 39.4269, 63.3532, 20.5063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

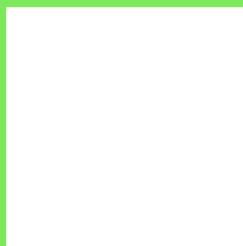
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.4269, 63.3532, 20.5063

Background



This preview shows how black text looks on a background with the XYZ color 39.4269, 63.3532, 20.5063.



This preview shows how white text looks on a background with the XYZ color 39.4269, 63.3532,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

39.4269, 63.3532, 20.5063

Protanopia

56.9075, 62.2704, 17.6144

Deuteranopia

63.6544, 62.1718, 21.4774



Tritanopia

52.7894, 62.6830, 88.6736

Trichromacy



Original Color

39.4269, 63.3532, 20.5063



Protanomaly

48.0555, 61.0228, 18.4783



Deuteranomaly

51.0309, 60.2594, 20.7460



Tritanomaly

46.0239, 61.8988, 54.8693

Monochromacy



Original Color

39.4269, 63.3532, 20.5063



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

41.6067, 52.1568, 37.1525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4269, 63.3532, 20.5063 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(124, 233, 93)` looks like.

```
.text, #text, p{  
    color:rgb(124, 233, 93)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(124, 233, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 233, 93) }
```

Border

The CSS property to change the border of an element to XYZ 39.4269, 63.3532, 20.5063 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(124, 233, 93) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(124, 233, 93) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(124, 233, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 233, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 233, 93);  
box-shadow:4px 4px 4px 4px rgb(124, 233,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4269, 63.3532, 20.5063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 233, 93) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(124,  
233, 93) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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